

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of

Tiecheng A. Qiao, et al

COLORABLE MICROSPHERES
FOR DNA AND PROTEIN
MICROARRAY

Serial No. 10/625,424

Filed 23 July 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Group Art Unit: To be assigned

Examiner: To be assigned

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Frieda DasFeins
Frieda DasFeins
November 14, 2003
Date

Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. A full text copy of each document is attached, except for copies of U.S. patents and U.S. patent application publications. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

III. ☐ This Statement is being filed under § 1.97(c), with a certification under, § 1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under § 1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Statement.

IV. ☐ This Statement is being filed under § 1.97(d), with fee and certification under § 1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by § 1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under § 1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



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Enclosures

FORM PTO-1449	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No. 85504KNM Customer No. 01333	Serial No. 10/625,424
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If AFTER the later date of the first Office Action or 3 months from filing, use only with a Request for Extension of Time (E) Certificate or Fee

Applicant:

Tiecheng A. Qiao, et al

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Filing Date

23 July 2003

Group

U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,143,854	9-1-1992	Pirrung et al.			
	5,412,087	5-2-1995	McGall et al.			
	5,489,678	2-6-1996	Fodor et al.			
	5,981,180	11-09-1999	Chandler et al.			
	6,023,540	2-8-2000	Walt et al.			
	6,079,283	6-27-2000	Papen et al.			
	6,083,762	7-4-2000	Papen et al.			
	6,094,966	8/1/2000	Papen et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Krishan Chari et al., "Random Array of Microspheres", filed 29 August 2001, Docket 82300, USSN 09/942,241.

Qiao et al., USSN 10/625,375 (DN85507), entitled PHOTOCROMIC DYES FOR MICROSPHERE BASED SENSOR, filed July 23, 2003.

Qiao et al, USSN 10/625,637 (DN85677), entitled COLORABLE POLYMERIC PARTICLES WITH BIOLOGICAL PROBES, filed July 23, 2003.

Qiao et al, USSN 10/625,684 (85486), entitled LARGE POLYMER BEADS CONTAINING COUPLERS AND METHOD OF PREPARATION, filed July 23, 2003.

Nature Biotech. 19, pp 631-635, (2001), "Quantum-dot-tagged microbeads for multiplexed optical coding of biomolecules," by Mingyong Han et al..

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 606; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	